

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
**Robert Denk**

Serial No.:

Filing Date: **April 9, 2004**

Title: **Method and Apparatus for Channel  
Estimation in Radio Systems by  
MMSE-Based Recursive Filtering**

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Group Art Unit:

Examiner:

Attny. Docket No. **068758.0185**

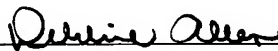
Client Ref.: **I0418US/lg**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING VIA EXPRESS MAIL

PURSUANT TO 37 C.F.R. § 1.10, I HEREBY CERTIFY THAT I HAVE INFORMATION AND A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE WILL BE DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL POST OFFICE TO ADDRESSEE, ON THE DATE BELOW, AND IS ADDRESSED TO:

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INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants respectfully request, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that the art listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. A copy of the cited art is enclosed for the convenience of the Examiner.

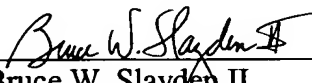
Furthermore, pursuant to 37 C.F.R. §§1.97(g) and (h), no representation is made that these references are material to the patentability of the present application.

As the Information Disclosure Statement is being submitted before the mailing of

the first office action on the merits, Applicants believe that no fee is required. If a fee is required, please accept this transmittal as a petition therefor and charge any fee to Baker Botts L.L.P. (*formerly, Baker & Botts, L.L.P.*) Deposit Account No. 02-0383, Order No. (068758.0185) for any other charges necessary for the filing of this Information Disclosure Statement.

BAKER BOTTS L.L.P. (023640)

Date: April 9, 2004

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PTO-1449  <b>Information Disclosure Citation in an Application</b>				Application No.		Applicant(s): <b>Robert Denk</b>	
				Docket Number <b>068758.0185</b>		Group Art Unit	Filing Date <b>April 9, 2004</b>

U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	1	2002/0042279 A1	04-11-02	Da Rocha et al.	455	456	08-30-01
	2	2003/0060167 A1	03-27-03	Bonhomme	455	67.6	09-24-02
						4	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

NON-PATENT DOCUMENTS			
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	3	J. Baltersee, et al.; "Performance Analysis of Phasor Estimation Algorithms for a FDD-UMTS RAKE Receiver"; IEEE 6th Int. Symp. on Spread-Spectrum Tech. & Appli. NJIT, New Jersey	09-00
	4	Simon Haykin; "Adaptive Filter Theory"; Prentice-Hall, Inc.; pp. 158-161	1991

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.